

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/041594 A1

(51) International Patent Classification⁷: **H04Q 7/22,**
H04L 12/18

(21) International Application Number:
PCT/IB2004/052204

(22) International Filing Date: 26 October 2004 (26.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0325039.6 27 October 2003 (27.10.2003) GB

(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **AALTONEN, Erkki I** [FI/FI]; Paaluttajatie 5 as. 5, FIN-20320 Turku (FI). **VERMOLA, Larri** [FI/FI]; Sirkkalankatu 13 A 82, FIN-20500 Turku (FI). **NAUMI, Tero** [FI/FI]; Vinarintie 7, FIN-31500 Koski T1 (FI). **LAHNALAMPI, Timo** [FI/FI];

Anjalankatu 18 C, FIN-24100 Salo (FI). **PAAVILAINEN, Jouko** [FI/FI]; Vanha Littoistentie 13, FIN-20540 Turku (FI). **PROKKI, Kai-Uwe** [FI/FI]; Sinettikuja 3 A 9, FIN-20770 Espoo (FI).

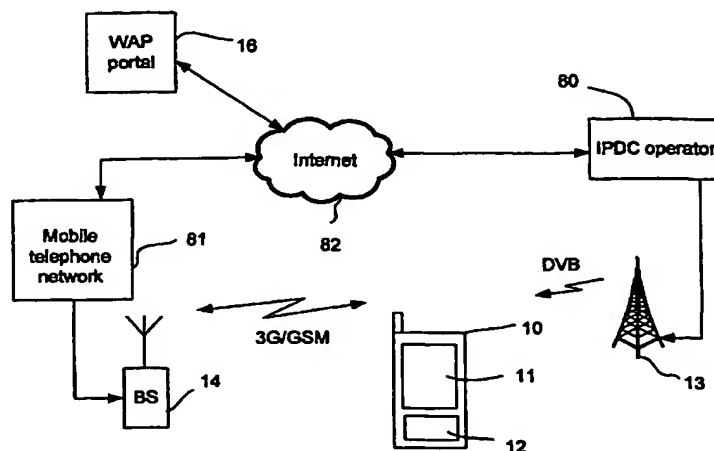
(74) Agents: **DERRY, Paul** et al.; Venner Shipley LLP 20 Little Britain, Greater London EC1A 7DH (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: METHOD AND MOBILE TERMINAL FOR ACCESSING A SERVICE PORTAL VIA BI-DIRECTIONAL NETWORK



(57) Abstract: A user of a combined mobile telephone and IPDC receiver (10) accesses a WAP portal (16) through the Internet (82) and/or a mobile telephone network (81). The WAP portal (16) provides a service menu, comprising a number of links to service menus further down in the hierarchy or to IPDC services. The WAP portal (16) is provided with information relating to IPDC services by an IPDC operator (80). This information includes at least the name of the service, the IP address and the port number relating to each service. The information may additionally include a Network Information Table, IP/MAC Notification Table and Program Mapping Table, although this information may be provided to the mobile terminal instead by broadcast from a DVB transmitter (13). When a user of the mobile terminal (10) selects an item on the service menu presented by the WAP portal (16) which relate to IPDC service, the WAP portal pushes information relating to that service to the mobile terminal (10), allowing the mobile terminal to open an appropriate IP channel and consequently receive and consume the IPDC service.

WO 2005/041594 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*